

REMARKS

Claims 1-15 were pending in the present application prior to this response. Claims 1-15 were rejected. New claims 16-22 have been added. Claims 6, 7, 10 and 11 have been amended. Claims 1-5, 8-9 and 12-15 have been canceled. Reconsideration of all rejected claims is requested.

I. Rejection of Claims 1-15 Under 35 U.S.C. §102(b)

Claims 1-15 were rejected under 35 U.S.C. §102(b) as being anticipated by Draving (U.S. 6,262,602).

The Applicants note that claims 1-5 have been cancelled herein.

CLAIM 6

Claim 6 is independent and is directed toward:

A method of receiving a signal, comprising:
comparing an input voltage to a first reference voltage;
comparing said input voltage to a second reference voltage,
wherein either said first reference voltage or said second reference
voltage is active;
selecting an output voltage based on said the difference between
said input voltage and the active reference voltage of either said first
reference voltage or said second reference voltage;
changing said output voltage when said input voltage crosses said
activated reference voltage; and
**changing the activated reference voltage when said input
crosses said activated voltage.**

Some portions of claim 6 that are not disclosed by Draving have been replicated above in bold type.

Draving does not disclose, among other elements of claim 6:

changing the activated reference voltage when said input crosses said activated voltage.

As shown in the circuit of Fig. 3 of Draving, the multiplexor 3006 is controlled via a delay 3010. Accordingly, Draving cannot disclose "changing the activated reference voltage when said input crosses said activated voltage" as claimed in claim 6.

For the reasons described above, the Applicants contend that the rejection of claim 6 has been overcome. The Applicants request reconsideration of the rejection.

CLAIM 7

Claim 7 is allowable by way of its dependence on allowable claim 1 and for other reasons. The Applicants request reconsideration of the rejection.

CLAIM 10

Claim 10 is independent and is directed toward:

An apparatus, comprising:

a first comparator that compares a first reference voltage to an input signal, said first comparator comprising a first comparator output;

a second comparator that compares a second reference voltage to said input signal, said second comparator comprising a second comparator output;

a selector comprising at least one selector input, a selector output, and a selector control, said at least one selector input being connected to said first comparator output and said second comparator output, said selector passing the voltage of one of said first comparator output and said second comparator output to an output of said device via

said selector output depending upon which of said first reference voltage and said second reference voltage is activated; and

an activator/deactivator comprising at least one input and at least one output, said at least one input being operatively connected to said first comparator output and said second comparator output, said at least one output being operatively connected to said selector control, said activator/deactivator controlling said selector depending upon the state of said first output and said second output.

Some portions of claim 10 that are not disclosed by Draving have been replicated above in bold type.

Draving does not disclose, among other elements of claim 10:

said selector passing the voltage of one of said first comparator output and said second comparator output to an output of said device via said selector output depending upon which of said first reference voltage and said second reference voltage is activated.

Rather, the selector (3006) disclosed in Draving outputs a voltage to a flip-flop circuit (3008). As set forth above, claim 10 discloses outputting the voltage of the selector as the output of the claimed apparatus.

In addition, Draving does not disclose, with reference to an activator/deactivator:

said at least one input being operatively connected to said first comparator output and said second comparator output, said at least one output being operatively connected to said selector control, said activator/deactivator controlling said selector depending upon the state of said first output and said second output

Rather, the inputs of the activator/deactivator (3008) are connected to an output of a multiplexor (3006) and a control line of the multiplexor.

Accordingly, Draving does not disclose all the elements of claim 10 and cannot anticipate claim 10. Therefore, the Applicants request reconsideration of the rejection.

CLAIM 11

Claim 11 is allowable by way of its dependence on allowable claim 10 in addition to other reasons. Accordingly, the Applicants request reconsideration of the rejection.

II. New Claims

Claims 16-22 have been added herein. The claims are supported by the specification and add no new matter to the application.

All of the pending claims are believed to be in condition for allowance and a notice to that effect is earnestly solicited.

Respectfully submitted,
KLAAS, LAW, O'MEARA & MALKIN, P.C.

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By: *Robert W. Nelson*
Robert W. Nelson
Reg. No. 37,898
1999 Broadway, Suite 2225
Denver, CO 80202
Tel: (303) 298-9888
Fax: (303) 297-2266

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